

Amendments to the Specification

Please replace the third full paragraph on page 2 with the following paragraph:

To accomplish the above and other objectives, the present invention proposes a novel method for operating an automatic storage and retrieval system (AS/RS), wherein the automatic storage and retrieval system is used to connect a user's computer device to an AS/RS programmable logic controller (PLC) through a communication network, and has a first database for storing a plurality of storage bin data each including a material data object, a corresponding storage bin data object associated with a storage bin for storing ~~the a~~ material associated with the material data object, controlling authorization for identifying the storage bin and an identification number corresponding to the storage bin.

Please replace the paragraph bridging pages 2 and 3 with the following paragraph:

The method for operating an AS/RS of the invention comprises the steps of: (1) ~~displaying via~~ sending from the AS/RS a daily required material report to a browser of the user's computer device after ~~a the user loginning has logged on to~~ the AS/RS ~~through using~~ an identification number provided for the user, and receiving at the AS/RS a material data object associated with a material selected from the material report by the user; (2) ~~searching via having~~ the AS/RS search in the first database for a storage bin ~~datum data object~~ relating to the material selected by the user and relating to a storage bin, and determine if the identification number of the user is identical to that of the searched ~~datum data object~~, wherein if the ~~user identification number~~ does not match the searched ~~datum data object in identification number~~, then step (3) is followed: or else, a corresponding storage bin for the selected material is obtained from the searched ~~datum data object~~, and then step (4) is followed; (3) ~~sending via having~~ the AS/RS send a message showing no authorization for handling the selected material to the user's computer device, and returning to the step (1); and (4) informing the AS/RS PLC to ~~operate the obtained storage bin for storing or retrieving the selected material~~ store the selected material in, or retrieve the selected material

from, the storage bin related to the storage bin data object relating to the material selected by the user.

Please replace the second full paragraph on page 3 with the following paragraph:

An automatic storage and retrieval system (AS/RS) proposed in the invention is used to connect a user's computer device through a communication network to an AS/RS programmable logic controller (PLC), wherein a user is provided with an identification number and is allowed to login tofor loginning the AS/RS using the identification number, and a daily required material report is displayed in the user's computer device for allowing the user to select a material from the material report, so as to control the AS/RS PLC to store or retrieve the selected material.

Please replace the paragraph bridging pages 3 and 4 with the following paragraph:

The AS/RS of the invention comprises: a first database for storing a plurality of storage bin data, each including a material data object, a corresponding storage bin data object associated with a storage bin for the storing a material associated with a material data object, controlling authorization for identifying the storage bin and ~~an~~ a corresponding identification number for the storage bin; and a database server for processing interaction between the first database and the user, so as to search in the first database for a storage bin ~~datum~~ data object corresponding to the material selected by the user, and ~~for determine~~ determining if the identification number of the user is identical to that of the searched ~~datum~~ storage bin data object, wherein if the ~~user~~ identification number matches the searched ~~datum in identification number~~ storage bin data object, then the AS/RS automatically informs the AS/RS PLC to operate ~~a corresponding~~ the storage bin associated with the storage bin data object ~~obtained from the searched datum~~ for storing or retrieving the selected material; if the ~~user identity~~ identification number does not match the ~~searched datum in identification number~~ storage bin data object, then the AS/RS inhibits the material storage or retrieval.

Please replace the paragraph bridging pages 4 and 5 with the following paragraph:

Illustrated in FIG. 2 is system architecture for a preferred embodiment of the automatic storage and retrieval system (AS/RS) 1 of the invention. As shown, the AS/RS 1 of the invention is adapted to connect a user's computer device 2 to an AS/RS programmable logic controller (PLC) 4 through a communication network 3 such as internet or intranet. A user is provided with an identification number and is allowed to login to ~~use in logging~~ the AS/RS 1 using the identification number, and then a daily required material report is displayed in a browser 20 of the user's computer device 2, for allowing the user to directly select a desired material from the material report and the AS/RS PLC 4 to store or retrieve the material. The AS/RS 1 comprises a first database 10, a second database 11 and a database server 12.

Please replace the first full paragraph on page 5 with the following paragraph:

The first database 10 is used for storing data 100 relating to material storage bins. The storage bin data 100 each includes a material data object, a corresponding storage bin data object associated with a storage bin for storing ~~the a material~~ associated with the material data object, controlling authorization for identifying the storage bin and an identification number corresponding to the storage bin, wherein the identification number provides restriction on controlling authorization for moving a storage bin. For example, a storage bin managed by a particular user has its identification number identical to that of the user, in this case, another user having a different identification number is not able to move the storage bin due to no coincidence in identification number.

Please replace the Abstract with the following Replacement Abstract (a new abstract is attached on a separate sheet):

An automatic storage and retrieval system and a method for operating the system are proposed, in which the automatic storage and retrieval system (AS/RS) is used to connect a

user's computer device through a communication network to an AS/RS programmable logic controller (PLC), wherein a user is provided with an identification number and is allowed to login to for loginning the AS/RS using the identification number, and a daily required material report is displayed in the user's computer device for allowing the user to select a material from the material report, so as to control the AS/RS PLC to store or retrieve the selected material in the case of the user matching a corresponding storage bin for the selected material in identification number, or else, the material storage or retrieval is inhibited by the AS/RS.